(August 1999) DEPARTMEN	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT				FORM APPROVED OMB NO. 1004-0136 Expires: November 30, 2000		
APPLICATION FOR PE	RMIT TO DRILL OF	R REENTER		ease Serial I Jic Cont	115		
la. Type of Work X DRILL	REENTER	Office and the second			otee or Tribe Name		
Ib Type of Well Oil Well X Gas Wel	Other X	Single Zone Multiple Zone	7. (greement Name and No.		
Name of Operator	162924	5	1	ease Name			
Enercen Resources Corporation 3a. Address	100110	3b. Phone No. (include area cod	۵۱ 🖵	JONNSTON API Well No	Shear 1C		
2198 Bloomfield Highway, Farmington	ı, NM 87401	505-325-6800		<u> </u>	039 26845		
4. Location of Well (Report location clearly and in ac	cordance with any State e	equirements)			ol, or Exploratory esaverde		
At surface 660' FSL, 660 FEL			٨ ا	Sec., T., R.,	M., or Blk. and Survey or Are		
At proposed prod. zone		2001			T26N, R3W, N.M.P.M.		
14. Distance in miles and direction from nearest town or		(= OC)	- COM	County or Pa			
14 miles Nor		New Mexice		<u>o Arriba</u>			
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any)		16. No. of Acrès in lesse 3		LOA-	E 1/2		
18. Distance from proposed location* to nearest well, drilling, completed,	1	19 Proposed Depth	20.BLM/	BIA Bond N	No. on file		
applied for, on this lease, ft. 1200'		6180'					
21. Elevations (Show whether DF, KDB, RT, GL, etc.		22. Approximate date work will star	t*	23. Estimat	ed duration		
6996' GL		Dec 2001			10 days		
	24.	Attachments					
The following, completed in accordance with the requir	ements of Onshore Oil and	d Gas Order No. 1, shall be attached	to this for	m:			
 Well plat certified by a registered surveyor. A Drilling Plan A Surface Use Plan (if the location is on National I SU20) shall be filed with the appropriate Forest Se 	Forest System Lands, the	 4. Bond to cover the operati Item 20 above). 5. Operator certification. 6. Such other site specific in authorized officer. 	ons unless	covered by a			
25. Signuature	Nar	me (Printed/Typed)			Date		
for Archam	Do	on Graham			8/1/01		

Title

Drilling/Completion Foreman

Approved by (Signautre) Title

Name (Printed/Typed)

Date OCT 1 6 2001

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowlingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

^{*(}Instructions on Reverse)

Oistrict I PO Box 1980, Hobbs, NM 88241-1980

District II PO Drawer DD, Antesia, NM 88211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV PO Box 2088, Santa Fe, NM 87504-2088

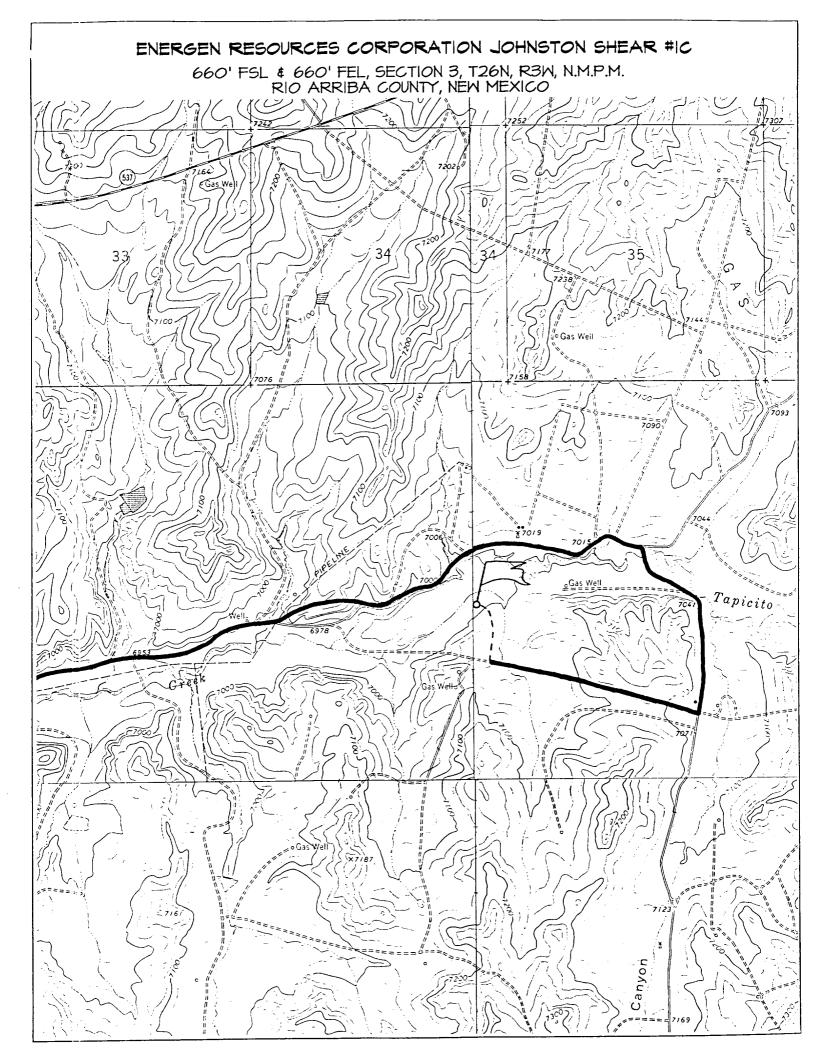
State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

			WELL	LOCAT:	ION AND) AC	CREAGE DEDI	CATION	PL	ΑT		•
'API Number 'Pool Code, 'Pool Name												
30-03		6845		72319			Blanco Mesaverde					
*Property						operty Name *Well Number STON SHEAR 1C			11 Number 1C			
2200								<u> </u>			953	evation
'03310 i 16292			F	NEBGE	•	rator IRCE	Name ES CORPORAT	TON				3996 .
10232												
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UL on list no.	Section .	Township	Range	Lot Iou	_ocation		North/South line	Feet from		East/We	st line	County
12 Dedicated Acres	222	- 1	1	L	13 Joint o	or Infil	l Mac Consolidation Code	15 Onder N	ł c .		!	
	320	E/2										
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OPERATIONS PLAN

WELL NAME: Johnston Shear #1C

LOCATION: 660' FSL, 660' FEL, Section 10, T26N, R3W, Rio Arriba, New Mexico

FIELD: Blanco Mesaverde ELEVATION: 6996' GL

FORMATION TOPS:

Surface	San Jose	Cliff House	5203
Ojo Alamo	2999	Menefee	5461
Kirtland	3317	Point Lookout	5730
Fruitland	3412		
Pictured Cliffs	3574		
Lewis	3902		
Huerfanito Benonite	4114	Total Depth	6180

LOGGING PROGRAM:

Open Hole Logs:

Surface to intermediate: None

Inter TD to total depth: Temp/HRI/CNT, LDT/GR

Mud Logs:

3600' to total depth

Coring:

None

Natural Gauges:

Every 500' from intermediate TD to total depth

<u>MUD PROGRAM</u>: Fresh water low solids mud from surface to intermediate TD. Air/mist from intermediate casing point to total depth.

CASING PROGRAM:

HOLE SIZE	<u>DEPTH</u>	CSG SIZE	. <u>WT.</u>	<u>GRADE</u>
12-1/4"	200'	9-5/8"	36#	J-55
8-3/4"	4102'	7"	20#	J-55
6-1/4"	3952'-6180'	4-1/2"	10.5#	J-55

TUBING PROGRAM:

6000' 2 3/8" 4.7# J-55

WELLHEAD: 11" 3000 x 9 5/8" casing head. 11" 3000 x 7 1/16" 3000 xmas tree.

BOP SPECIFICATIONS:

An 11" 2000 psi minimum double gate BOP stack (Figure 1) will be used following nipple up of casing head. During air drilling operations, a Shaffer Type 50 or equivalent rotating head will be installed on top of the stack. A 2" nominal, 2000 psi minimum choke manifold will be used.

CEMENTING:

9 5/8 surface casing - Cement with 110 sks Class B Cement with 1/4" Flocele/sx and 2% calcium chloride (130 cu. ft. of slurry, 100% excess to circulate to surface). WOC 12 hrs. Test casing to 600# for 30 minutes.

Texas Pattern Guide Shoe on bottom with centralizers on the first three joints...

7" intermediate casing - cement with 415 sks 65/35 Class B Poz with 6% gel, 2% calcium chloride, 10% gilsonite, and 1/4# flocele/sk. Tail with 100 sks Class B w/2% calcium chloride, 10% gilsonite and 1/4# flocele/sk. (925 cu. Ft. of slurry, 50% excess to circulate to surface). WOC 12 hrs. If cement does not circulate, run temperature survey in 8 hrs. to determine TOC. Test casing to 1200 psi for 30 minutes.

Cement nose guide shoe on bottom with a self-fill insert float valve on top of shoe joint. 8 bow spring centralizers spaced every 2nd joint off bottom. Two turbolating centralizers at the base of the Ojo Alamo.

4 1/2 Production Liner

Cement with 270 sks 50/50 poz with 2% gel, 5 PPS gilsonite, .4% halad - 9 and 1/4# flocele/sk (343 cu. ft., 50% excess to circulate liner top). WOC 18 hrs prior to completion.

100' min overlap with

Cement nose guide shoe on bottom with float collar on top of shoe joint. Liner hanger will have a neopreme packoff on top.

OTHER INFORMATION:

- 1) The Blanco Mesaverde completed.
- 2) No abnormal temperatures or pressures are anticipated.
- 3) Anticipated pore pressure for the Mesa Verde is 800, Pictured Cliffs is 600 and the Fruitland 500 psi.
- 4) If lost circulation is encountered, sufficient LCM will be added to the mud system to maintain well control.
- 5) This gas is dedicated.